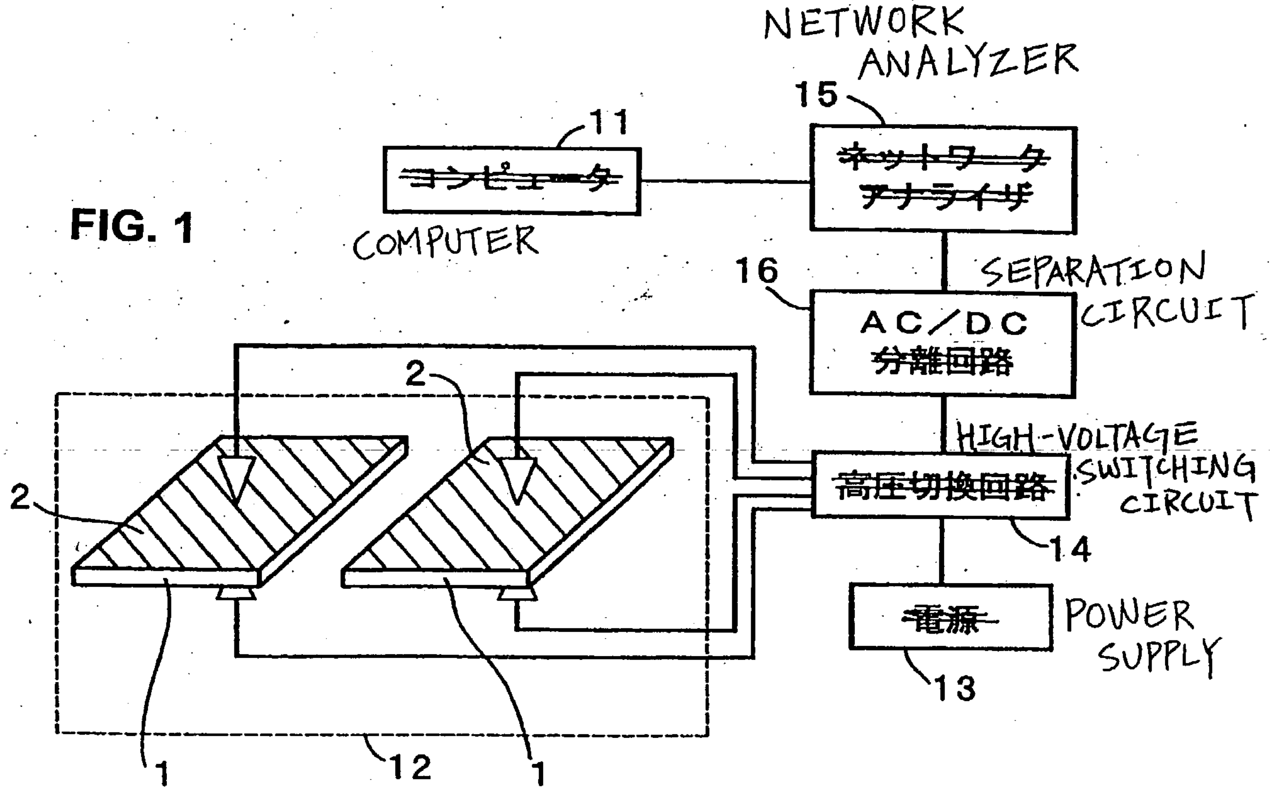
Approved by Examiner 4/5/04 TW

FIG. 1



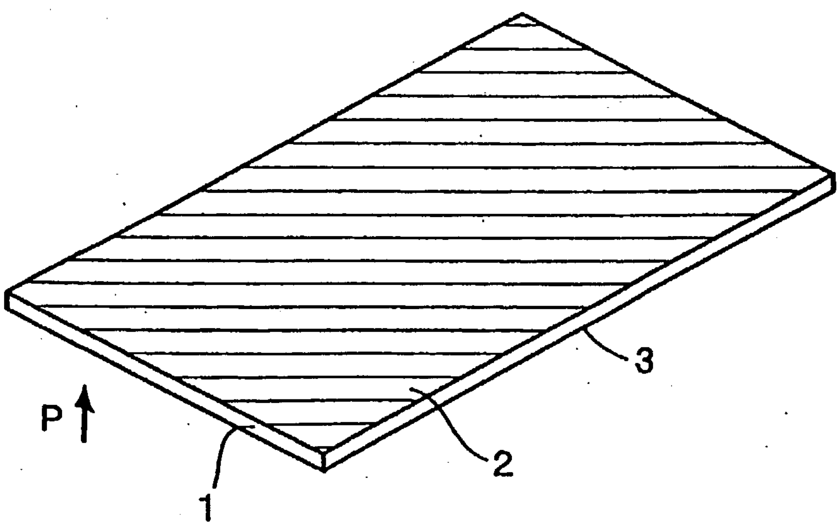
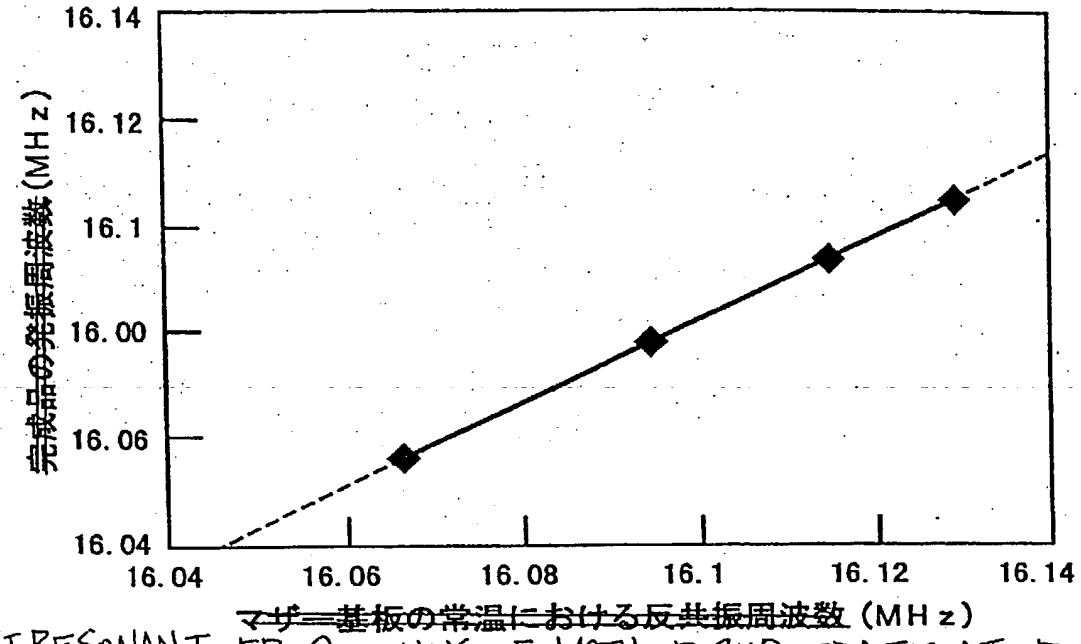


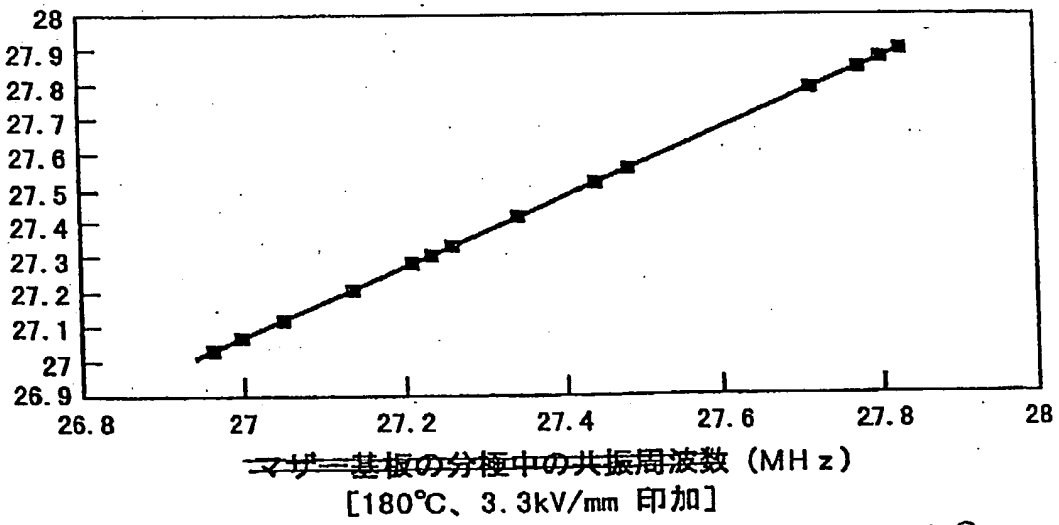
FIG. 2



OSCILLATION RESONANT FREQUENCY OF FINISHED PRODUCT

ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE AT ROOM TEMPERATURE

FIG. 5



ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE AT ROOM TEMPERATURE

RESONANT FREQUENCY OF MOTHER SUBSTRATE DURING POLARIZATION

FIG. 6

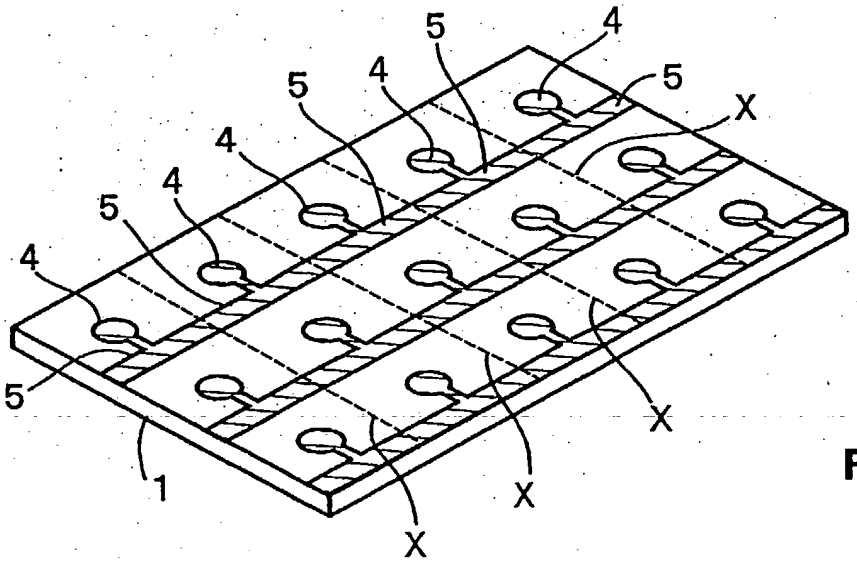


FIG. 3

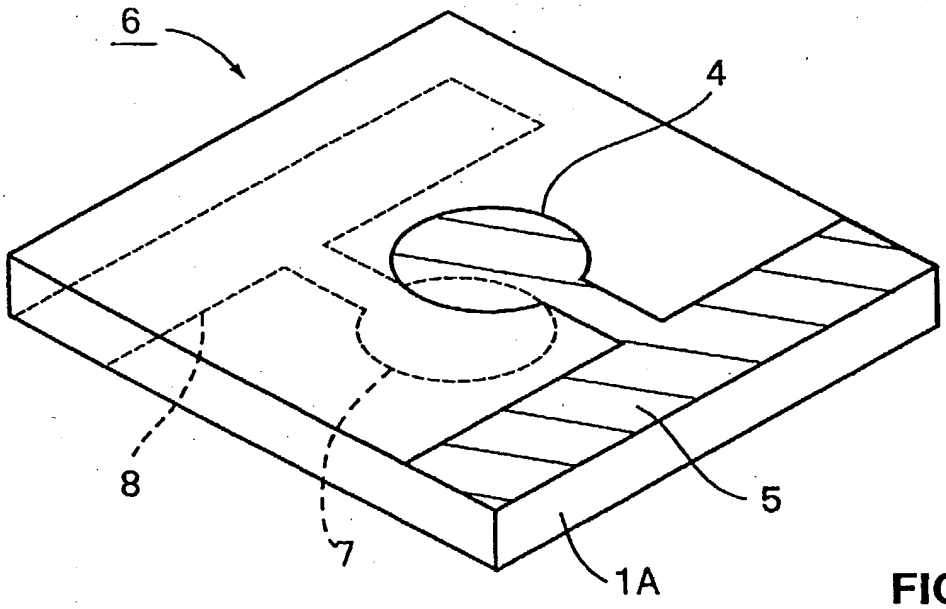


FIG. 4

ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE DURING POLARIZATION

FIG. 7

ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE DURING POLARIZATION

POLARIZATION TIME

FIG. 8

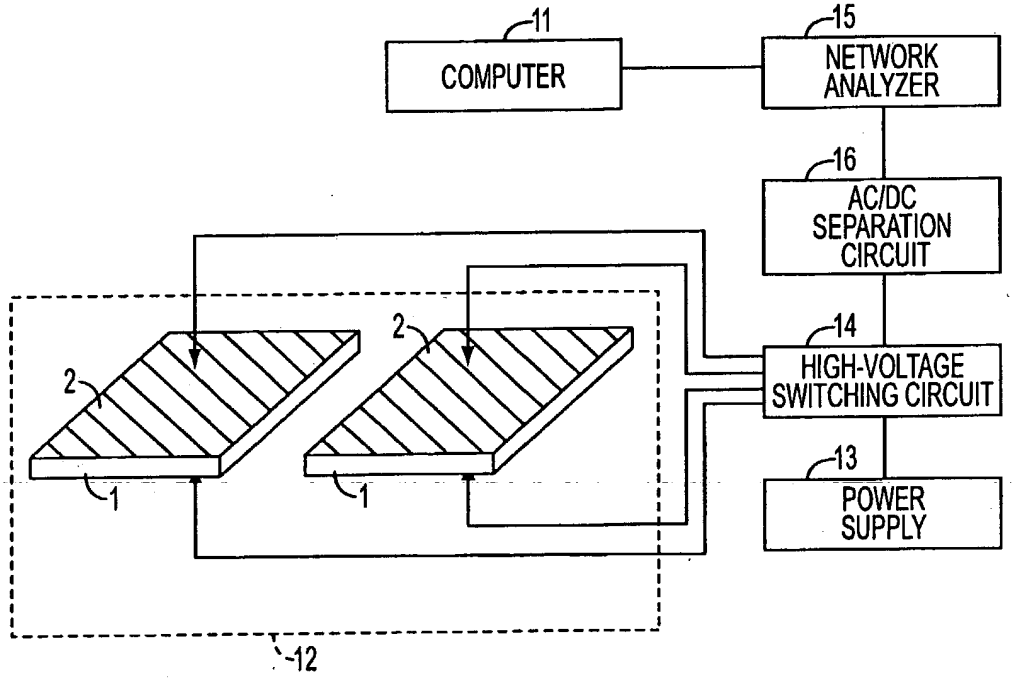


FIG. 1

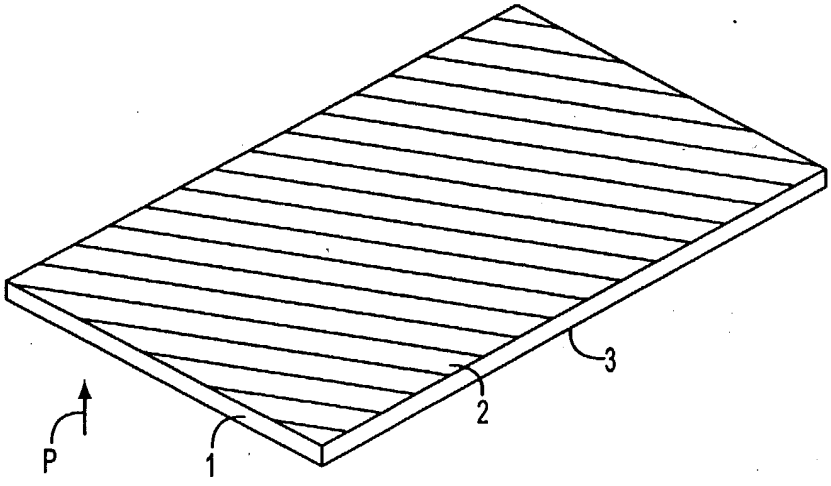


FIG. 2

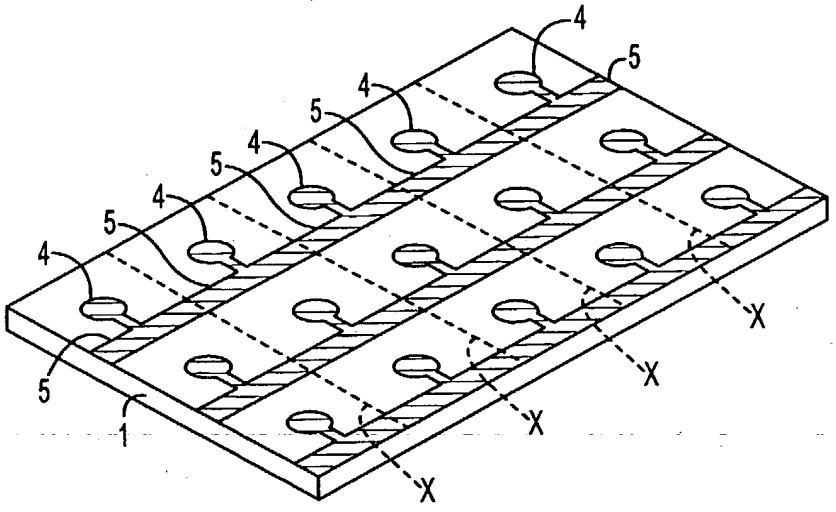


FIG. 3

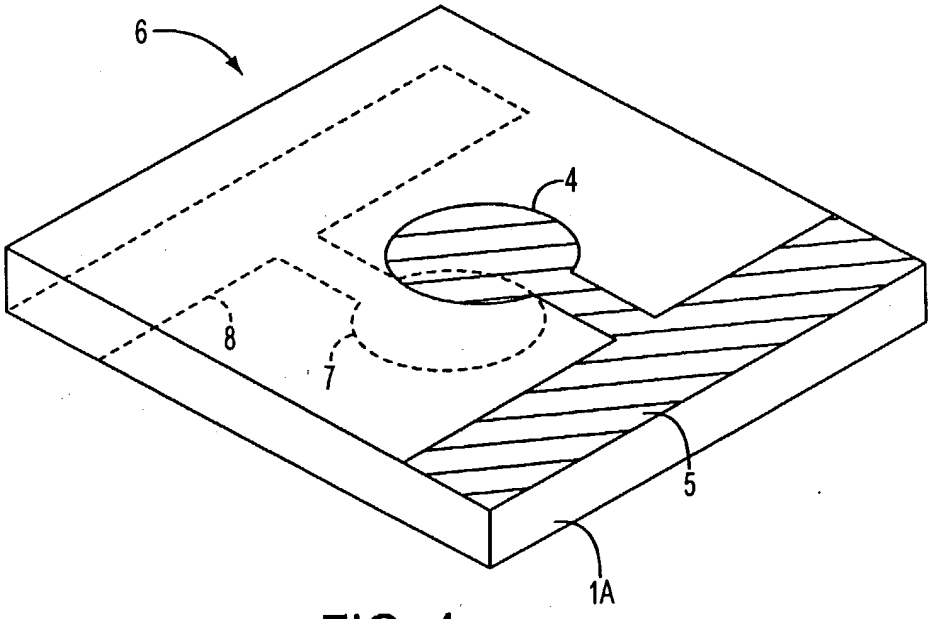


FIG. 4

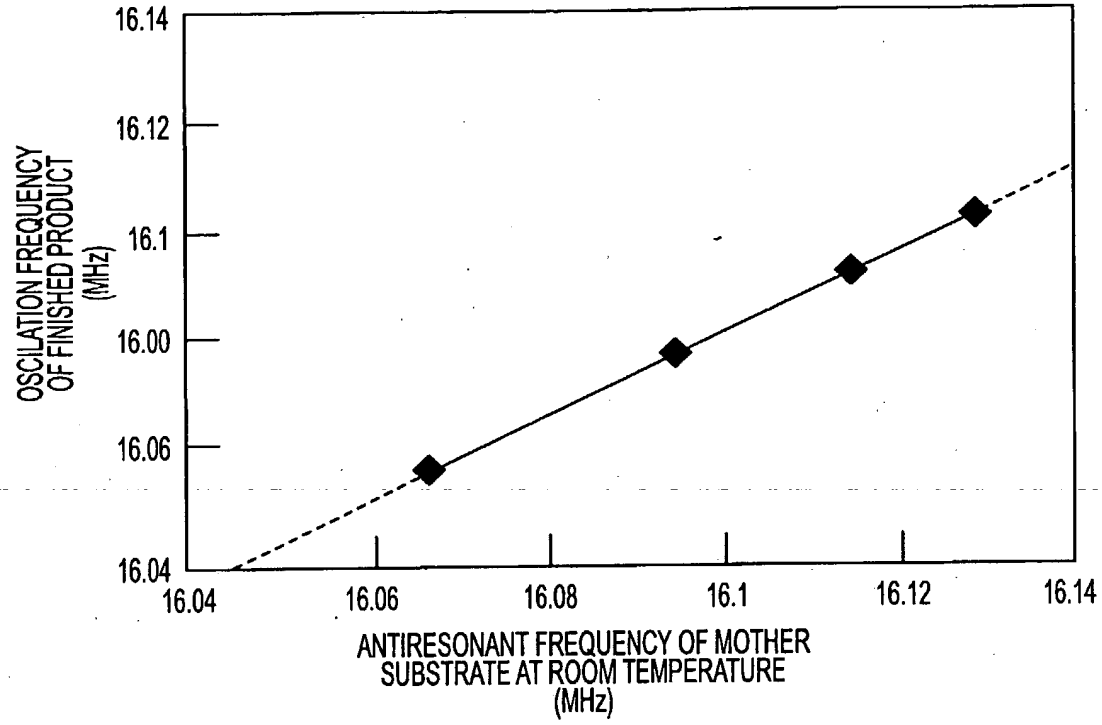

16.14
16.12
16.1
16.00
16.06
16.04
OSCILATION FREQUENCY OF FINISHED PRODUCT (MHz)
16.04
16.06
16.08
16.1
16.12
16.14
ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE AT ROOM TEMPERATURE (MHz)

FIG. 5

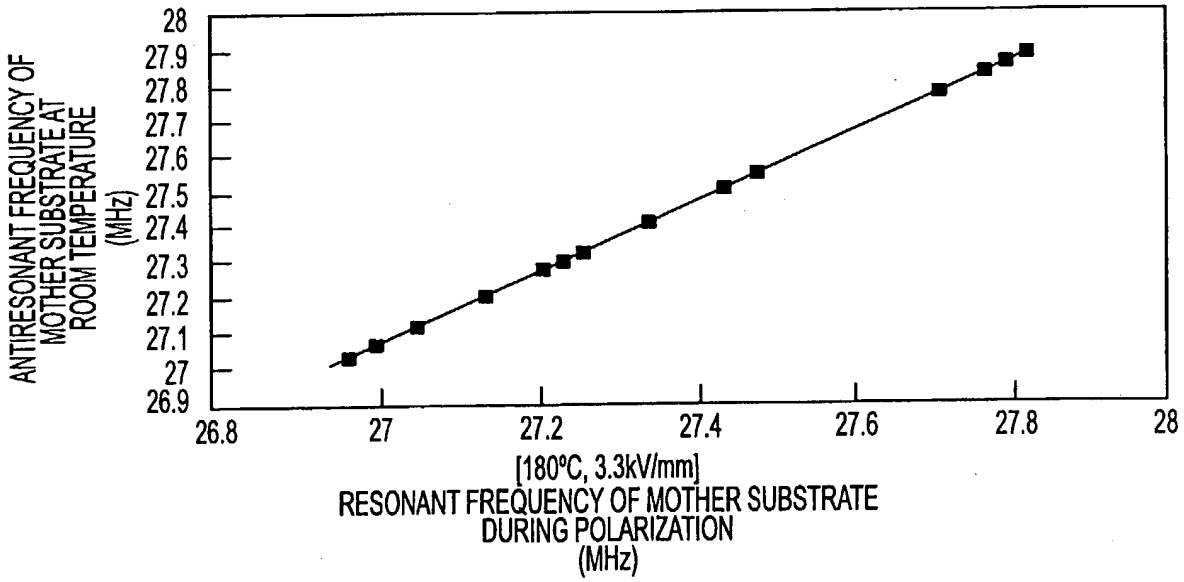

28
27.9
27.8
27.7
27.6
27.5
27.4
27.3
27.2
27.1
27
26.9
ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE AT ROOM TEMPERATURE (MHz)
26.8
27
27.2
27.4
27.6
27.8
28
[180°C, 3.3kV/mm]
RESONANT FREQUENCY OF MOTHER SUBSTRATE DURING POLARIZATION (MHz)

FIG. 6

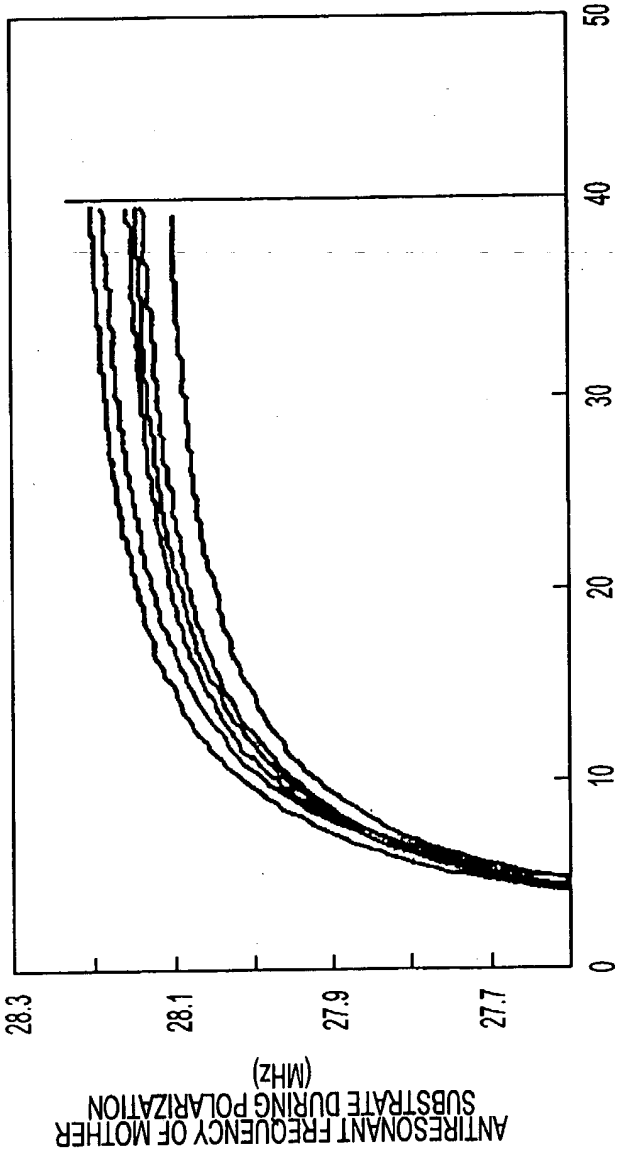

ANTIRESONANT FREQUENCY OF MOTHER SUBSTRATE DURING POLARIZATION
(MHz)
28.3
28.1
27.9
27.7
0
10
20
30
40
50
POLARIZATION TIME

FIG. 7

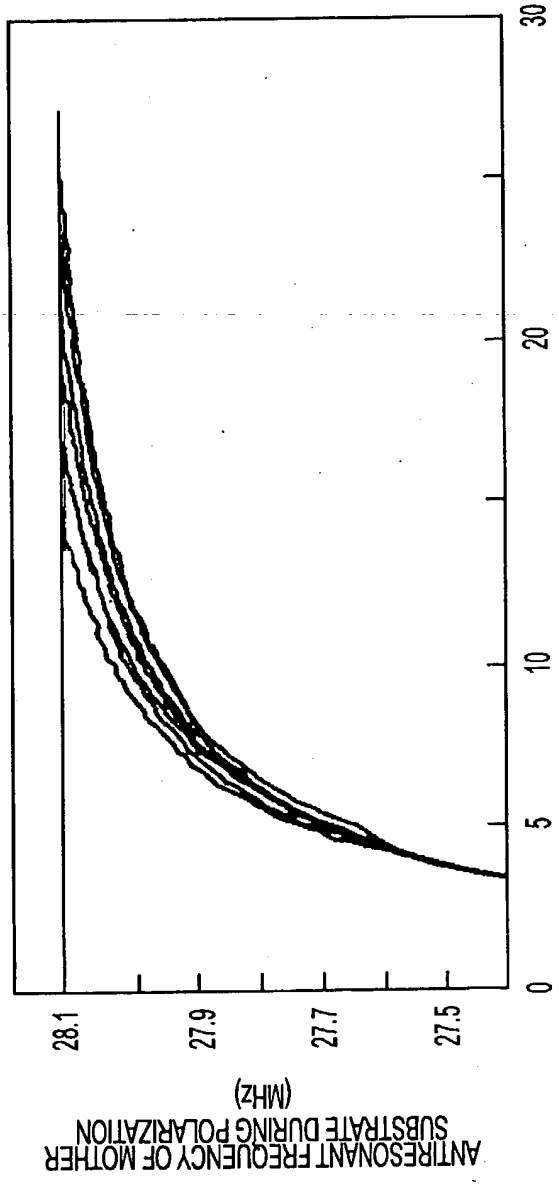


FIG. 8